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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/804,912

03/13/2001

Dong-Hoon Kim

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11/24/2004

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EXAMINER

HOANG, THAI D

ART UNIT

PAPER NUMBER

2667

DATE MAILED: 11/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/804,912

Applicant(s)

KIM ET AL.

Examiner

Thai D Hoang

Art Unit

2667

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Application filed on 03/13/2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,6 and 13 is/are rejected.
- 7) ☒ Claim(s) 3-5 and 7-12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 06/14/01&07/24/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

Claim 12 is objected to because of the following informalities:

Step (i) after step (vi) should be changed to – (vii)--

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2, 6 and 13 are rejected under 35 U.S.C. 102(e) as being unpatentable by Akhtar et al, US Patent No. 6,769,000 B1, hereafter referred to as Akhtar.

Regarding claims 1-2, Akhtar discloses a system called “Unified directory services architecture for an IP mobility architecture framework.” Akhtar teaches that the system (fig. 1) comprises a plurality of mobile node 112, that are connected to respective access network 110 (xAN) for transmitting voice and data to the core network 101; col. 7, lines 62-64 (first portable user terminating means and satisfying media voice or data standard supported in the network). Akhtar discloses the xAN 110 denotes any type of access (e.g., wireless or wireline) technology, and the xAN 110 preferably provides access network resource management; col. 9, lines 30-33; col. 13, lines 8-10

(wireless interfacing means controlling wireless resources of said user terminating means and wireless traffic). Moreover, Akhtar discloses a mobility manager framework, that includes a procedure for controlling handoff between a home network and a visited network, and a procedure for transmitting voice and data to/from the mobile node 112 when the mobile node is roamed; figs. 7-12, 14s, 16, 18-63; col. 29, lines 29-41, col. 30, line 4 – col. 32, line 29; col. 37, line 63-col. 39, line 3; col. 42, line 49 – col. 45, line 41 (controlling handoff, realigning data from and to the packet network based on a request said user terminating means have interfacing condition, providing the realigned data to said user terminating means, and transferring media to a second user terminating means). Furthermore, Akhtar discloses that the system comprises network serving functions 104 (NSF) and local serving functions 106 (LSF) for controlling a call of the mobile node 112. Both NSF 104 and LSF 106 comprise a mobility manager functions 452 and 464, AAA functions 450 and 462 that provide Security function, Authentication function, Authorization function, accounting function, quality of services by using the information in unified directory service database (UDS) 461; fig. 4A-B and 4E-F; col. 10, line 16-col. 12, line 45; col. 18, lines 34-40; col. 25, line 25-col. 29, line 28; col. 41, lines 12-19 (common subscriber managing means for providing Security Association setup function for voice processing and commonly managing mobility management, Quality of Service, authentication and authorization management, accounting management and service management functions for said first user terminating means by using a common subscriber database.)

Regarding claims 6 and 13, Akhtar discloses that the system provides functions: mobility manager functions 452 and 464, AAA functions 450 and 462 that provide Security function, Authentication function, Authorization function, accounting function, quality of services by using the information in unified directory service database (UDS) 461 and Local directory service (LDS) database 431 for managing and setting up a roaming mobile node between the home network and visited network; fig. 4A-B and 4E-F; col. 9, line 13 – col. 13, line 5; col. 18, lines 34-40; col. 23, line 34 – col. 29, line 28; col. 41, lines 12-19; col. 42, line 49 – col. 45, line 41 (modeling to provide, server, mobility management, Quality Service, authentication and authorization management, accounting management, and service management for roaming terminal using common subscriber database for all Internet Protocol service; and setting Security Association function voice processing setting up a call between an Internet Protocol visiting network and a home network by the server and commonly managing mobility management Quality of Service, authentication and authorization management, accounting management and service management)

Allowable Subject Matter

Claims 3-5, 7-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following references are cited to further show the state of the art with respect to the application:


US Patent No. 6,608,832 B2, Forslow discloses "Common access between a mobile communications network and an external network with selectable packet-switched and circuit-switched and circuit-switched services."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-18:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thai Hoang


CHI PHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800 11/22/04